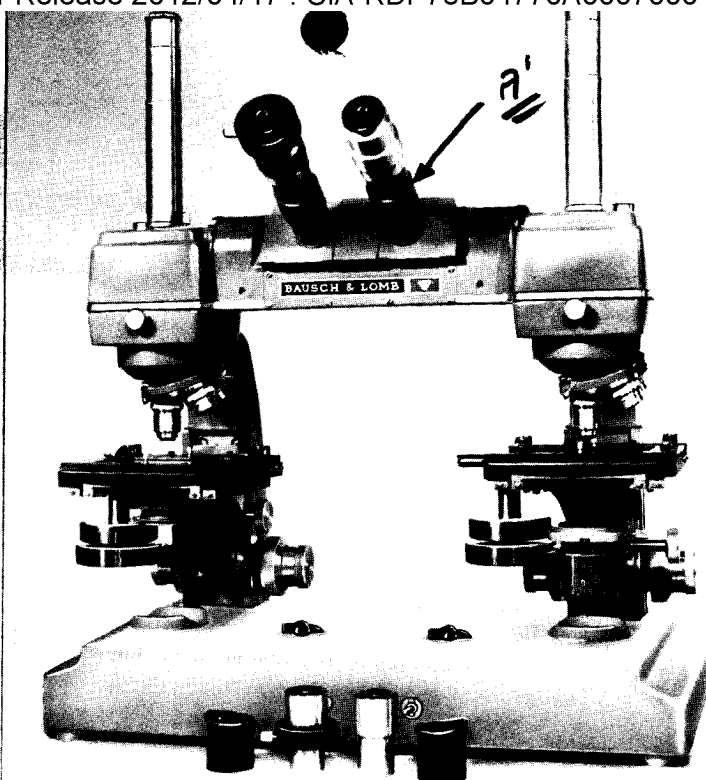




## New High Power STEREOVIEWER

*...for maximum detail  
from high resolution film*



HIGH POWER  
STEREOVIEWER



BAUSCH & LOMB INCORPORATED

Bausch & Lomb's High Power Stereoviewer is specifically designed for viewing aerial photography on high resolution film. It is engineered, optically and mechanically, to extract the maximum detail from that film.

The stereo image comes from two DynaZoom® Microscopes mounted on a common base. Optical systems of the microscopes are coupled to bring the images to a pair of eyepiece tubes.

Resolution produced by the instrument depends on the combination of eyepieces, objectives, and the setting of the zoom system. At its highest magnification, 200 $\times$ , the instrument has an axial resolution of approximately 700 lines per mm.

### EQUIPPED FOR VERSATILITY

The instrument is also equipped for monocular viewing by two persons. The monocular eyepiece tube can be quickly interchanged with a camera for photomicrographic work.

Full magnification range, 13 $\times$  to 200 $\times$ , is achieved by combining the desired eyepieces, objectives, and zoom setting. Four pairs of objectives (2.6 $\times$ , 3.5 $\times$ ,

6 $\times$  and 10 $\times$ ) and three pairs of eyepieces (5 $\times$ , 10 $\times$  for stereoviewing; 5 $\times$  for monocular) are standard equipment. The zoom range is from 1 $\times$  to 2 $\times$ .

Each of the two stages will hold 70mm $\times$ 100mm film chips. Randomly oriented film chips are provided with continuous 360° image rotation. Each stage has a range of movement of 50mm in the Y direction and 75mm in the X direction. This permits a large area of the film to be seen without physically moving the chip. When viewing areas outside of this range, the chip can be easily moved to the desired position.

Illumination is provided by the B&L high intensity, built-in base illuminator. Lamp life is approximately 200 hours at 20 volts. Transformers for the illumination systems are mounted in the base casting. The transformers have a continuously variable control with output from 0 to 25 volts.

A set of three neutral density filters (1.3, 1.0, and 0.7) and one daylight filter, as well as a pair of heat reflecting filters, are standard equipment. An accessory case is provided for eyepieces, eyecups, filters, and monocular eyepiece tubes.

OVER

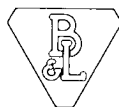
**PERFORMANCE CHARACTERISTICS**

The information below applies when the zoom system is set at 1×. For settings other than 1×, the magnification should be multiplied by the zoom magnification, and the field divided by the zoom magnification.

Eyeiece	Objective	Magnification	Field
5×	2.6×	13×	7.4mm
5×	3.5×	17.5×	5.5mm
10×	2.6×	26×	7.0mm
5×	6×	30×	3.2mm
10×	3.5×	35×	5.2mm
5×	10×	50×	1.9mm
10×	6×	60×	3.1mm
10×	10×	100×	1.8mm

**ORDERING INFORMATION**

Delivery and price information on the High Power Stereoviewer can be obtained by writing Photogrammetric Contracts Section, Bausch & Lomb Incorporated, Rochester, N. Y. 14602.



MANUFACTURED BY  
**BAUSCH & LOMB**  
INCORPORATED  
ROCHESTER, N. Y., U.S.A.

**Page Denied**